

What Is Claimed Is:

1 1. A magnetic recording head for at least one of reading from and writing to a medium
2 moving across the head, comprising:

3 a substrate;

4 a closure separated from said substrate by a gap, said closure including

5 a C-core;

6 a thin film layer deposited on said substrate; and

7 one or more gluing vias trenched in a side surface of either or both of said substrate and
8 said closure.

1 2. A magnetic recording head according to claim 1, wherein said thin film layer comprises a
2 recording track layer.

3 3. A magnetic recording head according to claim 2, wherein said recording track layer
comprises at least one of a read track and a write track.

4 4. A magnetic recording head according to claim 3, wherein at least one of said gluing vias
are trenched on said side surface of said substrate between said at least one read track and write
track

5 5. A magnetic recording head according to claim 1 wherein said gluing vias are
photolithographically defined and subsequently trenched on said side surfaces.

1 6. A magnetic tape head for reading from and writing to a magnetic tape moving across the
2 head, comprising:

3 a substrate having a gap side surface;

4 a closure having a gap side surface that opposes and is separated from said gap side
5 surface of said substrate by a gap;

6 a thin film layer deposited on said gap side surface of said substrate in said gap, wherein
7 said thin film layer has a nonplanar topography along said gap;

8 one or more gluing vias on either or both of said substrate and said closure; and
adhesive in said gap and said gluing vias.

7. A magnetic tape head according to claim 6, wherein said thin film layer comprises a recording track layer.

8. A magnetic tape head according to claim 7, wherein said recording track layer comprises at least one of a read track and a write track.

9. A magnetic tape head according to claim 8 wherein at least one of said gluing vias are trenched on said side surface of said substrate between said at least one read track and write track

10. A magnetic recording head according to claim 6 wherein said gluing vias are photolithographically defined and subsequently trenched on one or both of said gap side surfaces of said substrate and said closure.

11. A method of manufacturing a multi-track tape head for at least one of reading from and writing to a medium comprising the steps of:

depositing a recording track layer on a substrate;
trenching gluing vias on a gap side surface of either or both of said substrate and a closure; and

bonding said substrate and said closure together by introducing adhesive into said gluing vias.

12. A method according to claim 11, wherein said step of forming said recording track comprises forming at least one of a read track and a write track on said substrate.

13. A method according to claim 11, wherein said step of trenching includes the step of photolithographically defining said gluing vias.

14. A method according to claim 11 further including the step of machining a C-core on said gap side surface of said closure.

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1 15. A method according to claim 11 wherein said step of bonding includes the step of
2 introducing said adhesive into said C-core.

3 16. A method according to claim 11, wherein at least one of said gluing vias are trenched on
said side surface of said substrate between a read track and a write track on said recording track
layer.

Sub A5
Add A6
Add B37
Dce7